Setup Guide — MSW 4V rs & 4SV rs

This guide provides basic instructions for an experienced installer to set up and operate the Extron MSW 4V rs & 4SV rs.

IMPORTANT:
Refer to www.extron.com for the user manual and installation instructions before connecting the product to the power supply.

Installation

Step 1

Turn all of the equipment off and disconnect it from the power source.

Step 2

Select your mounting option, install the appropriate brackets, and mount the MSW. Otherwise, install the four rubber feet (included) and place the mini video switcher on a desktop. A mounting example is shown in figure 1. See "Installation" in the *MSW 4V rs and MSW 4SV rs Series User's manual* for more mounting options.

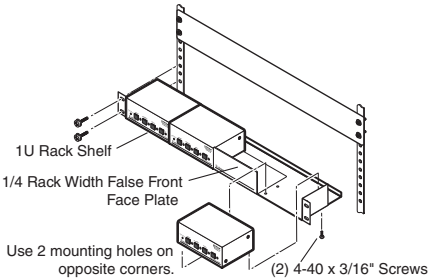

Figure 1 – Rack shelf mount

Step 3

Connect the video input cable(s). Using video inputs 1 through 4, connect video inputs to the MSW using the connectors (4-pin mini DIN [⑤] or BNC [⑥]) and signal type (composite or S-video) appropriate for your model.

Step 4

Attach the video output cable(s). Connect up to two video output devices to the MSW using the connectors (4-pin mini DIN [④] or BNC [①]) and signal type (composite or S-video) appropriate for your model. Refer to figure 2 or see "Rear Panel Connections" in the user's manual for more information.

NOTE *Outputs A and B output an identical signal.*

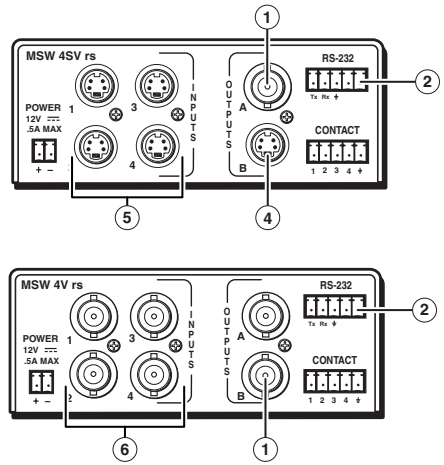

Figure 2 – MSW 4SV rs/4V rs rear panel

Step 5

If the MSW is to be used as a remote control for a computer or host controller, connect a 9-pin HD connector to a computer, then connect a 5-pole captive screw connector to the RS-232 port (②) on the mini switcher. Protocol for this port is 9600 baud, 8 data bits, 1 stop bit, no parity. Wire the connector as follows: Pin 2 = Tx, Pin 3 = Rx, Pin 5 = Gnd. Refer to figure 3 or see "Serial Communication" in the user's manual for more information.

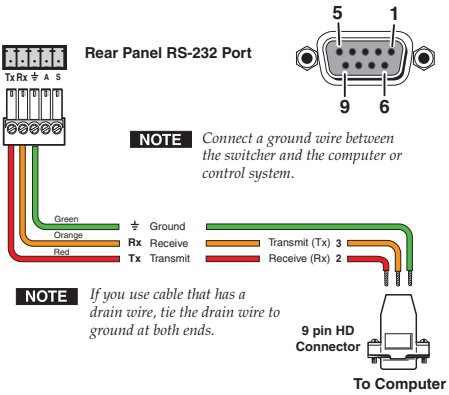
Rear Panel RS-232 Port
Tx Rx ⏚ A S
5 1
9 6
NOTE Connect a ground wire between the switcher and the computer or control system.
Green
Orange
Red
⏚ Ground
Rx Receive
Tx Transmit
Transmit (Tx) 3
Receive (Rx) 2
NOTE If you use cable that has a drain wire, tie the drain wire to ground at both ends.
9 pin HD Connector
To Computer

Figure 3 – RS-232 pin assignments

Setup Guide — MSW 4V rs & 4SV rs, cont'd

Step 6

Power up the input and output devices. Distribute power to the mini video switcher by assembling the external power supply cable (refer to figure 4) and connecting it to the power port. Once plugged in, the switcher automatically turns on. See "Rear Panel Connections" in the user's manual for more details.

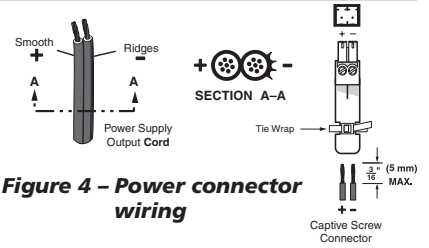

Figure 4 – Power connector wiring

Operation — Connecting an input to the output

Step 1

Determine the necessary operation mode for the MSW (the default is normal). Choose **Autoswitch** (press ③ and ⑤ simultaneously) to automatically switch to the highest numbered input with active sync pulses. Choose **Normal** (press ④ and ⑤ simultaneously) to manually change the input. Refer to figure 5 or see "Mode selection" in the user's manual for more information on how to change modes.

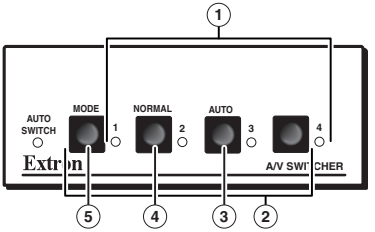

Figure 5 – MSW 4SV rs/4V rs front panel

Step 2

- If using **normal** mode, choose the desired input by pressing and releasing its input button (②). The LED (①) for the selected input lights.

  To switch to a different input, press a different input button.

- If using **autoswitch** mode, no action is necessary. The mini video switcher automatically switches to the highest-numbered active input.

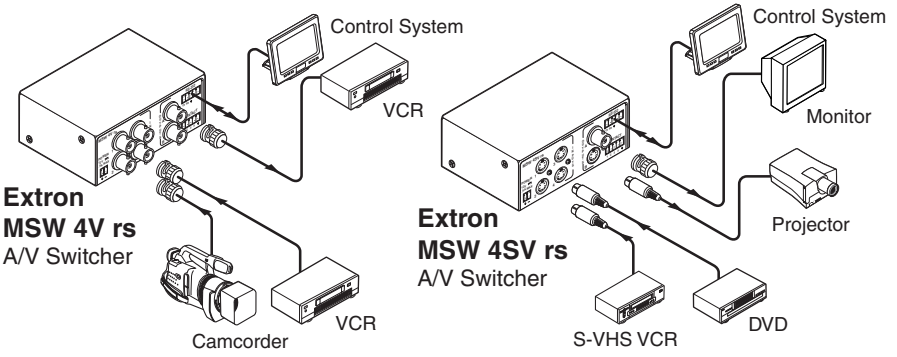

Figure 6 – Example of a typical MSW 4V rs and 4SV rs application

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